Abstract of the Disclosure

A method and system processes a compressed input video. The compressed input video is processed to produce an interlaced picture, and macroblock coding information of the input video. The interlaced picture has a first spatial resolution, and a top-field and a bottom-field. The top-field and the bottom-field of the interlaced picture are filtered adaptively according to the macroblock coding information to produce a progressive picture with a second spatial resolution less than the first spatial resolution.